



More information on the website
radwag.com/en/info,w1,ASC

XA 110.5Y.F Analytical Balance



XA 110.5Y.F Analytical Balance

The drawings, photos and graphics used are for illustrative purposes only.

Functions



Autotest



Dosing



Percent Weighing



Parts counting



Formulation



Newton unit measurement



Statistics



Checkweighing



IR sensors



Under-pan weighing



GLP Procedures



Animal weighing



Air density correction



Differential weighing



Ambient conditions monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Wi-Fi

Datasheet

XA 110.5Y.F Analytical Balance	
Metrological parameters	
Maximum capacity [Max]	110 g
Minimum load	1 mg
Readability [d]	0,01 mg
Verification unit [e]	1 mg
Tare range	-110 mg
Standard repeatability [5% Max]	0,007 mg
Standard repeatability [Max]	0,02 mg
Standard minimum weight (USP)	14 mg
Standard minimum weight (U=1%, k=2)	1,4 mg
Permissible repeatability [5% Max]	0,01 mg
Permissible repeatability [Max]	0,03 mg
Linearity	±0,06 mg
Eccentric load deviation	0,06 mg
Sensitivity offset	$2 \times 10^{-6} \times Rt$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times Rt$
Stabilization time	5 s (30 s for filters)
Adjustment	internal (automatic)
OIML Class	I
Physical parameters	
Leveling system	semi-automatic – LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Analytical Balance, weighing pan, weighing pan for filters, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply.
Weighing pan dimensions	210×254 mm for filters + ø90 mm open-work pan + ø85 mm standard pan (option)
Packaging dimensions	865×510×690 mm
Net weight	12,7 kg
Gross weight	25 kg
Construction	
Protection class	IP 43
Communication interface	
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
Electrical parameters	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max
Environmental conditions	
Operating temperature	+10 – +50 °C

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Extra payment for verification



Accessories

MediaBox
RFID Tags
Antivibration Tables
Power Adapters
RS 232, RS 485 cables
Density determination KIT
Additional modules
Professional Weighing Tables
Protective cover for balances
Barcode scanners

Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
RS 232, RS 485 cables
Protective cover for balances
Under-pan weighing
Antistatic ionizer
Receipt Printer
Fingerprint Reader
RS 232 – USB Converter
Under-pan weighing

Software

E2R System
Label Editor R02
R-LAB
RADWAG Development Studio

RAD-KEY
RADWAG Remote Desktop
Scales Editor 2.1

Device dimensions

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